

# Work Order ID 76404

**\*76404\***

Page 1

November-11-11 12:50:48 PM

Item ID: D412-742-013



Accept

**\*N900040100\***

Setup Start **\*NS1\***

Revision ID:

Stop **\*NS2\***

Item Name: Float Skidtube Installation

Start Date: 11/11/2011 Start Qty: 1.00

**\*1\***

Cust Item ID:

Required Date: 25/11/2011 Req'd Qty: 1.00

**\*1\***

Customer:

Reference:

Approvals: Process Plan: M.C.J.

Date: 11/11/11

Tooling:

Date: \_\_\_\_\_

Run Start **\*NR1\***

QC: \_\_\_\_\_

Date: \_\_\_\_\_

SPC (Y/N): \_\_\_\_\_

Date: \_\_\_\_\_

Stop **\*NR2\***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

Draw Nbr	Revision Nbr
DSI 9517	B
IIN D412-742	D

Rev. E

100

0.00

**\*100\***

DOCUMENT CONTROL

DC

Memo

0.00

Document Control

Photocopy bluefile and create labels per PPP D412-742-013

CHG 006

CHG 007

PTU

5 11/12/11

110

0.00

**\*110\***

Pick Kit

Packaging

Memo

0.00

Packaging

11/12/11

W/O: 76404		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
11.11.16	106	Tube is CHG 607				CP 11.11.16 Q51642	

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Dart Aerospace Ltd

W/O: 76404		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
11.12.09	100	Acceptable to assemble skid tube with D4095-XXX WEARPLATES PER D3391 Rev.I, which are equivalent to D3564-XXX WEARPLATES, HOWEVER THEY HAVE NO GASKETS ↳ DSI 9517 Rev.B	Q	11.12.09		11.12.09	

Part No: D412-742-013 PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

# Work Order ID 76404

**\*76404\***

Page 2

November-11-11 12:50:48 PM

Item ID: D412-742-013

Accept

**\*N900040100\***

Setup Start

**\*NS1\***

Revision ID:

Stop

**\*NS2\***

Item Name: Float Skidtube Installation

Start Date: 11/11/2011 Start Qty: 1.00

**\*1\***

Cust Item ID:

Required Date: 25/11/2011 Req'd Qty: 1.00

**\*1\***

Customer:

Reference:

Run Start

**\*NR1\***

Approvals:

Process Plan:

Date:

Tooling:

Date:

Stop

**\*NR2\***

QC:

Date:

SPC (Y/N):

Date:

Sequence ID/  
Work Center ID

Operation  
Description

Set Up/  
Run Hours

Tool ID

Tool #

Plan  
Code

Accept  
Qty

Reject  
Qty

Reject  
Number

Insp.  
Stamp

120

QC4- 100% Inspect kits for completeness

0.00

**\*120\***

QC

Memo

0.00

Quality Control

130

Packaging

0.00

**\*130\***

Packaging

Memo

0.00

Packaging

Identify and pack for shipping as per PPP D412-742-013  
Location: \_\_\_\_\_

140

QC21- Final Inspection - Work Order Release

0.00

**\*140\***

QC

Memo

0.00

Quality Control

POSITIVE RECALL

EFFECTIVE 11.11.16 AUTH GP

RELEASED GP DATE 11.12.19

11/12/19

mf  
11-12-19

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

# Picklist Print

November-11-11 12:50:53 PM

Page 1  
10

Work Order ID: 76404

\*76404\*

Parent Item: D412-742-013

\*D412-742-013\*

Parent Item Name: Float Skidtube Installation

Start Date: 11/11/2011

Required Date: 25/11/2011

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP Rev: A05.10.13 New Issue KJ/JLM  
IPP Rev: B 06-06-08 As per DSI9336 JLM IPP RevC 07-12-03 ECN 1072 DD verified by: JLM  
IPP Rev: D 08-09-08 ecn 08-510 DD verified by: EC  
IPP Rev: E 09-01-23 as per DSI9441 DD verified by: EC IPP RevF: add AN4C7A DD 10.01.13 verified by: EC IPP Rev: G 11.11.01 as per DSI9517 REV.B DD verified by: EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	-------------	--------------	---------------	----------------	--------

AN4C53A

Purchased

No

110

Each

19.0000

4

\*\*

\*AN4C53A\*

Bolt

Location

Loc Qty

Loc Code

ST361

19

119558

9

119562

10

AN4C7A

Purchased

No

110

Each

311.0000

4

\*\*

\*AN4C7A\*

Bolt

Location

Loc Qty

Loc Code

ST356

311

109147

311

D3403-5

Manufactured

No

110

Each

28.0000

8

\*\*

\*D3403-5\*

Bushing

Location

Loc Qty

Loc Code

FG052

20

74761

20

ST361

8

66530

8

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

# Picklist Print

November-11-11 12:50:53 PM

Page 2

Work Order ID: 76404

\*76404\*

Parent Item: D412-742-013

\*D412-742-013\*

Parent Item Name: Float Skidtube Installation

Start Date: 11/11/2011

Required Date: 25/11/2011

Start Qty: 1.00

Required Qty: 1.00

D412-742-043

Manufactured No

110

Each

0.0000

\*D412-742-043\*

Replacement Float Skidtube

D2571

Manufactured No

110

Each

0.0000

\*D2571\*

Saddle, Fwd Out 205

D2572

Manufactured No

110

Each

2.0000

\*D2572\*

Saddle, Fwd In 205

Location

Loc Qty

Loc Code

ST433

2

71107

2

D2573

Manufactured No

110

Each

0.0000

\*D2573\*

Saddle, Aft Out 205

D2574

Manufactured No

110

Each

0.0000

\*D2574\*

Saddle, Aft In 205

D2876

Manufactured No

110

Each

45.0000

\*D2876\*

Saddle Spacer

Location

Loc Qty

Loc Code

ST025

45

72136

9

73368

36

\*\*

\*\*

\*\*

\*\*

\*\*

\*\*

November-11-11 12:50:53 PM

Shop Packet Print

Page 2



W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

# Picklist Print

November-11-11 12:50:53 PM

Page 3

Work Order ID: 76404

**\*76404\***

Parent Item: D412-742-013

**\*D412-742-013\***

Parent Item Name: Float Skidtube Installation

Start Date: 11/11/2011

Required Date: 25/11/2011

Start Qty: 1.00

Required Qty: 1.00

D2877

Manufactured No

110 Each

75.0000

\*\*

**\*D2877\***

Saddle Spacer

Location

Loc Qty

Loc Code

ST025

75

72135

9

73309

66

Manufactured No

110 Each

15.0000

\*\*

D3403

**\*D3403-1\***

Bushing

Location

Loc Qty

Loc Code

ST052

15

70696

15

Manufactured No

110 Each

102.0000

\*\*

D2747

**\*D2747\***

Set Screw

Location

Loc Qty

Loc Code

ST021

102

71163

2

73495

100

Manufactured No

110 Each

72.0000

\*\*

D3533

**\*D3533-1\***

Set Screw

Location

Loc Qty

Loc Code

ST065

72

73310

72

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

# Picklist Print

November-11-11 12:50:53 PM

Page 4

Work Order ID: 76404

\*76404\*

Parent Item: D412-742-013

\*D412-742-013\*

Parent Item Name: Float Skidtube Installation

Start Date: 11/11/2011

Required Date: 25/11/2011

Start Qty: 1.00

Required Qty: 1.00

AN4C6A  
\*AN4C6A\*  
Bolt

Purchased No 110 Each 330.0000

16 16 9  
\*\* m18903

Location	Loc Qty	Loc Code
FG	4	
103344	4	
ST356	326	
116704	15	
118451	11	
118983	100	
119328	200	

AN4C52A  
\*AN4C52A\*  
BOLT

Purchased No 110 Each 61.0000

4  
\*\*

Location	Loc Qty	Loc Code
ST361	61	
117163	8	
117688	7	
118451	46	

AN6C12A  
\*AN6C12A\*  
BOLT

Purchased No 110 Each 16.0000

8  
\*\* 11/21/11

Location	Loc Qty	Loc Code
ST341	16	
118422	16	

November-11-11 12:50:53 PM

Shop Packet Print

Page 4

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

# Picklist Print

November-11-11 12:50:53 PM

Page 5

Work Order ID: 76404

\*76404\*

Parent Item: D412-742-013

\*D412-742-013\*

Parent Item Name: Float Skidtube Installation

Start Date: 11/11/2011

Required Date: 25/11/2011

Start Qty: 1.00

Required Qty: 1.00

D3672-3

Manufactured No

110

Each

680.0000

32

\*\*

\*D3672-3\*

Phenolic Washer

Location

Loc Qty

Loc Code

ST074

680

64176

180

73487

500

Purchased

No

110

Each

0.0000

32

\*\*

AN960C416L

\*AN960C416L\*

WASHER

D3672-9

Manufactured

No

110

Each

232.0000

8

\*\*

\*D3672-9\*

Phenolic Washer

Location

Loc Qty

Loc Code

ST074

232

35523

232

Purchased

No

110

Each

88.0000

8

\*\*

NAS1149C0632R

\*NAS1149C0632R\*

WASHER

Location

Loc Qty

Loc Code

ST297

88

118006

88

Manufactured

No

110

Each

99.0000

8

\*\*

D3672-11

\*D3672-11\*

Phenolic Washer

Location

Loc Qty

Loc Code

ST074

99

58046

99

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

# Picklist Print

November-11-11 12:50:53 PM

Page 6

Work Order ID: 76404

**\*76404\***

Parent Item: D412-742-013

**\*D412-742-013\***

Parent Item Name: Float Skidtube Installation

Start Date: 11/11/2011

Required Date: 25/11/2011

Start Qty: 1.00

Required Qty: 1.00

MS21043-4

Purchased

No

110

Each

1,527.000

.29 .29

**\*MS21043-4\***

Nut

\*\*

Location

Loc Qty

Loc Code

FG

40

104603

40

ST301

1487

117793

22

118686

470

119309

495

119546

500

Manufactured

No

110

Each

13.0000

8

8

D3403-3

**\*D3403-3\***

Bushing

\*\*

Location

Loc Qty

Loc Code

ST052

13

69509

3

71852

10

Manufactured

No

110

Each

6.0000

1

1

D3405-041

**\*D3405-041\***

Lug Assembly

\*\*

Location

Loc Qty

Loc Code

ST474

6

62227

2

73338

4

Manufactured

No

110

Each

2.0000

1

1

D3405-043

**\*D3405-043\***

Lug Assembly

\*\*

Location

Loc Qty

Loc Code

ST423

2

65703

2

November-11-11 12:50:53 PM

Shop Packet Print

Page 6



W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

# Picklist Print

Page 7

November-11-11 12:50:53 PM

Work Order ID: 76404

**\*76404\***

Parent Item: D412-742-013

**\*D412-742-013\***

Parent Item Name: Float Skidtube Installation

Start Date: 11/11/2011

Required Date: 25/11/2011

Start Qty: 1.00

Required Qty: 1.00

AN4C47A

Purchased No

110

Each

57.0000

\*\*

**\*AN4C47A\***

Bolt

Location

Loc Qty

Loc Code

ST361

57

117163

7

118451

50

Manufactured No

110

Each

19.0000

\*\*

D3407-041

**\*D3407-041\***

Tow Ring

Location

Loc Qty

Loc Code

ST463

19

75029

19

Manufactured No

110

Each

60.0000

\*\*

D3417-3

**\*D3417-3\***

Washer

Location

Loc Qty

Loc Code

FG

9

33519

9

ST053

51

51648

4

53182

23

66847

24

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

# Picklist Print

November-11-11 12:50:53 PM

Page 8

Work Order ID: 76404

**\*76404\***

Parent Item: D412-742-013

**\*D412-742-013\***

Parent Item Name: Float Skidtube Installation

Start Date: 11/11/2011

Required Date: 25/11/2011

Start Qty: 1.00

Required Qty: 1.00

D3456-1

Manufactured No

110

Each

74.0000

**\*D3456-1\***

Washer

\*\*

Location

Loc Qty

Loc Code

FG

7

25701

7

ST054

67

66848

3

71165

2

73493

62

Purchased

No

110

Each

182.0000

\*\*

AN3C37A

**\*AN3C37A\***

BOLT

Location

Loc Qty

Loc Code

ST354

182

116874

11

117010

2

118518

44

118709

50

119324

25

119531

50

Purchased

No

110

Each

73.0000

\*\*

AN3C40A

**\*AN3C40A\***

BOLT

Location

Loc Qty

Loc Code

ST354

73

112454

23

114442

50

November-11-11 12:50:53 PM

Shop Packet Print

Page 8

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

# Picklist Print

November-11-11 12:50:53 PM

Page 9

Work Order ID: 76404

**\*76404\***

Parent Item: D412-742-013

**\*D412-742-013\***

Parent Item Name: Float Skidtube Installation

Start Date: 11/11/2011

Required Date: 25/11/2011

Start Qty: 1.00

Required Qty: 1.00

AN3C41A

Purchased

No

110

Each

158.0000

1 1

\*\*

**\*AN3C41A\***

BOLT

Location

Loc Qty

Loc Code

FG

4

103324

4

ST354

154

119035

44

119324

50

119530

60

AN3C42A

Purchased

No

110

Each

38.0000

1 1

\*\*

**\*AN3C42A\***

BOLT

Location

Loc Qty

Loc Code

ST354

38

106176

1

117763

17

118131

20

AN3C43A

Purchased

No

110

Each

38.0000

4 4

\*\*

**\*AN3C43A\***

BOLT

Location

Loc Qty

Loc Code

ST354

38

114455

13

118387

25

AN3C46A

Purchased

No

110

Each

47.0000

5 5

\*\*

**\*AN3C46A\***

BOLT

Location

Loc Qty

Loc Code

ST355

47

118758

47

November-11-11 12:50:53 PM

Shop Packet Print

Page 9

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

# Picklist Print

November-11-11 12:50:53 PM

Work Order ID: 76404

**\*76404\***

Parent Item: D412-742-013

**\*D412-742-013\***

Parent Item Name: Float Skidtube Installation

Start Date: 11/11/2011

Required Date: 25/11/2011

Start Qty: 1.00

Required Qty: 1.00

AN960C10L NAS1149C0332 Purchased

No

110

Each

0.0000

26

26

8x

18x

SP

**\*AN960C10L \***

washer

MS21043-3

Purchased

No

110

Each

727.0000

13

13

(5)

**\*MS21043-3\***

Nut

\*\*

M118354

M119786

\*\*

M119758

ul12/19

## Location

## Loc Qty

## Loc Code

FG

72

103691

72

ST301

655

118077

1

118614

477

118686

177

8



W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

# Work Order ID 76404

November-11-11 12:50:48 PM

\*76404\*

Page

Item ID: D412-742-013

Revision ID:

Item Name: Float Skidtube Installation

Start Date: 11/11/2011 Start Qty: 1.00

Required Date: 25/11/2011 Req'd Qty: 1.00

Reference:

Accept

\*N900040100\*

Setup Start

\*NS1\*

Stop \*NS2\*

Cust Item ID:

Customer:

Approvals:

Process Plan: M.L.J

Date: 11/11/14

Tooling:

Date:

Run Start

\*NR1\*

QC:

Date:

SPC (Y/N):

Date:

Stop

\*NR2\*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								

DSI 9517

B

IIN D412-742

D

Rev. E

100

DOCUMENT CONTROL

0.00

\*100\*

DC

Memo

0.00

Document Control

Photocopy bluefile and create labels per PPP D412-742-013 CHG006 CHG 007

M.L.J 11/12/19

(1)

110

Pick Kit

0.00

\*110\*

Packaging

Memo

0.00

Packaging

11/12/19

# REFERENCE ONLY

DART AEROSPACE USA, INC.

IIN-D412-742

Page 18 of 20

## 5.2 D412-742-013 (APICAL TRI-BAG) Float Skidtube Installation Parts List

Item	Qty -013	Qty -043	Part Number	Description
	X		D412-742-013	FLOAT SKIDTUBE INSTALLATION
	1	X	D412-742-043 //	FLOAT SKIDTUBE
		1	D3391-043	412 FLOAT SKIDTUBE
1		*24	*AN3C4A	*BOLT
3		*12	*AN3C6A	*BOLT
4		*8	*AN3C7A	*BOLT
5		*44	*AN960C10L	*WASHER
21A		*1	*D3564-1	*WEARSHOE (REPLACES D3460-1)
21B		*1	*D3566-1	*GASKET
22A		*1	*D3564-3	*WEARSHOE (REPLACES D3460-3)
22B		*1	*D3566-1	*GASKET
23A		*1	*D3564-5	*WEARSHOE (REPLACES D2577-5)
23B		*1	*D3566-5	*GASKET
10		*1	*D3391-021	*412 FORWARD TUBE
11		**1	**D3401-041	**TOW CAP
12A		**10	**AELS-1032-225	**INSERT (REPLACES NAS1330S3KB166)
12B		**2	**AELS-1032-130	**INSERT (REPLACES NAS1330S3KB166)
13		**10	**AN3C4A	**BOLT
14A		**4	**D3672-1	**WASHER (REPLACES NAS1515H3L)
14B		**10	**AN960C10L	**WASHER
24A		**1	**D3564-13	**WEARSHOE
24B		**1	**D3566-13	**GASKET
20		*1	*D3391-023	*412 MID TUBE
28		**20	**AELS-1032-130	**INSERT (REPLACES NAS1330S3KB116)
30		*1	*D3391-025	*412 AFT TUBE
25A		**1	*D3537-1	**WEARPAD
25B		**1	*D3553-1	**GASKET
26A		**1	*D3537-7	**WEARPAD
26B		**1	*D3553-3	**GASKET
31		**1	**D2646	**AFT CAP
32		**14	**AELS-1032-130	**INSERT
36		**12	**AELS-1032-225	**INSERT (REPLACES NAS1330S3KB366)
37A		**6	**AN3C4A	**BOLT
37B		**4	**AN3C5A	**BOLT
38A		**2	**D3672-1	**WASHER (REPLACES NAS1515H3L)
38B		**10	**AN960C10L	**WASHER

(CONTINUED ON PAGE 19)

• COPYRIGHT © 2005 BY DART AEROSPACE USA, INC. •  
THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED  
OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE USA, INC.

Revision: D

Date: 07.10.04

# REFERENCE ONLY

DART AEROSPACE USA, INC.

IIN-D412-742

Page 19 of 20

(CONTINUED FROM PAGE 18)

Item	Qty -013	Qty -043	Part Number	Description
40	1		D2571	SADDLE, FWD OUTSIDE
41	1		D2572	SADDLE, FWD INSIDE
42	1		D2573	SADDLE, AFT OUTSIDE
43	1		D2574	SADDLE, AFT INSIDE
44	2		D2876	SADDLE SPACER
45	2		D2877	SADDLE SPACER
46	16		D3403-1	BUSHING
47A	4		D2747	SET SCREW
47B	2		D3533-1	SET SCREW
48	16		AN4C6A	BOLT
49	8		AN4C52A	BOLT
50	8		AN6C12A	BOLT
51A	32		D3672-3	WASHER (REPLACES NAS1515H4L)
51B	32		AN960C416L	WASHER
52A	8		D3672-9	WASHER (REPLACES NAS1515H6L)
52B	8		AN960C616L	WASHER
53	16		D3672-11	WASHER (REPLACES NAS1515H7L)
54	24		MS21043-4	NUT
55	4		ANC47A	BOLT
60	8		D3403-3	BUSHING
61	1		D3405-041	GHW LUG
62	1		D3405-043	GHW LUG
63	4		AN4C46A	BOLT
64	4		MS21043-4	NUT
70	1		D3407-041	TOW RING
71	2		D3417-3	WASHER
72	1		MS21043-4	NUT
73	1		D3456-1	WASHER
91	1		AN3C37A	BOLT
92	1		AN3C40A	BOLT
93	1		AN3C41A	BOLT
94	1		AN3C42A	BOLT
95	4		AN3C43A	BOLT
97	5		AN3C46A	BOLT
99	26		AN960C10L	WASHER
100	13		MS21043-3	NUT

\*DENOTES PART IS INCLUDED WITH D3391-043 ASSEMBLY ABOVE

\*\*DENOTES THAT PART IS INCLUDED WITH ASSEMBLY ABOVE

• COPYRIGHT © 2005 BY DART AEROSPACE USA, INC. •  
THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE USA, INC.

Revision: D

Date: 07.10.04

# DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS IIN-D412-742 REV. D AND  
INSTRUCTIONS FOR CONTINUED AIRWORTHINESS ICA-D412-742 REV. 3.

REF. FAA STC: SR01583SE  
REF. CANADIAN STC: SH05-37  
REF. EASA STC: EASA.IM.R.S.01126

8

## INSTRUCTIONS:

## REFERENCE ONLY

- 1) FOR D412-742-011/-013 SKIDTUBES @ CHANGE 006 AND SUBSEQUENT, UPDATE THE PARTS LIST TO MODIFY THE BOLT USED TO ATTACH THE GHW LUG AS FOLLOWS:

### 5.1 D412-742-011 (PMA/OEM) Float Skidtube Installation Parts List

### 32.15 D412-742-011 (PMA/OEM) Float Skidtube Installation Parts List

ITEM	Qty -011	Qty -041	Qty -015	PART NUMBER	DESCRIPTION
	X			D412-742-011	FLOAT SKIDTUBE INSTALLATION
	1	X		D412-742-041	FLOAT SKIDTUBE
	1		X	D412-742-015	ELECTRIC STEP KIT

### IS:

63	4			AN4C47A	BOLT
----	---	--	--	---------	------

### WAS:

63	4			AN4C46A	BOLT
----	---	--	--	---------	------

### 5.2 D412-742-013 (APICAL TRI-BAG) Float Skidtube Installation Parts List

### 32.16 D412-742-013 (APICAL TRI-BAG) Float Skidtube Installation Parts List

ITEM	Qty -013	Qty -043	PART NUMBER	DESCRIPTION
	X		D412-742-013	FLOAT SKIDTUBE INSTALLATION
	1	X	D412-742-043	FLOAT SKIDTUBE

### IS:

63	4		AN4C47A	BOLT
----	---	--	---------	------

### WAS:

63	4		AN4C46A	BOLT
----	---	--	---------	------

A	NEW ISSUE	AJS	08.12.19
REV.	DESCRIPTION	BY	DATE
DESIGN	AJS	DART AEROSPACE USA, INC	
DRAWN	AJS	PORT HADLOCK, WA	
CHECKED	J	DRAWING NO.	REV. A
MFG. APPR.	N/A	DSI 9441	SHEET 1 OF 1
APPROVED	WJP	TITLE	SCALE
DE APPR.	WJP	BOLT CHANGE	NTS
DATE	08.12.19	COPYRIGHT © 2008 BY DART AEROSPACE USA, INC THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE USA, INC.	

## REFERENCE ONLY

THE PARTS LISTS IN SECTION 32.16 OF ICA-D412-742 (PAGES 57 AND 59) AND SECTION 5.2 OF IIN-D412-742 (PAGES 18 AND 19) ARE AMENDED AS FOLLOWS WHEN OPTIONAL DSI-9517-011 KIT IS INSTALLED:

**32.16 D412-742-013 (APICAL TRI-BAG) FLOAT SKIDTUBE INSTALLATION PARTS LIST (ICA-D412-742)**  
**5.2 D412-742-013 (APICAL TRI-BAG) FLOAT SKIDTUBE INSTALLATION PARTS LIST (IIN-D412-742)**

Item	QTY -013	QTY -043	PART NUMBER	DESCRIPTION
	X		D412-742-013	FLOAT SKIDTUBE INSTALLATION
	1	X	D412-742-043	FLOAT SKIDTUBE

**IS:**

3		10	AN3C6A	BOLT (REMOVED QTY.2)
4		4	AN3C7A	BOLT (REMOVED QTY.4)
5		38	AN960C10L	WASHER (REMOVED QTY.6)
21A	1		D4095-041	WEARPLATE ASSEMBLY
22A	1		D4095-043	WEARPLATE ASSEMBLY
46	8		D3403-1	BUSHING (REPLACED QTY.4 WITH D3403-5)
46A	8		D3403-5	BUSHING (REPLACES QTY.4 D3403-1)
49	4		AN4C52A	BOLT (REPLACED QTY.4 WITH AN4C53A)
49A	4		AN4C53A	BOLT (REPLACES QTY.4 AN4C52A)
53	8		D3672-11	WASHER (REMOVED QTY.8)

**WAS:**

3		12	AN3C6A	BOLT
4		8	AN3C7A	BOLT
5		44	AN960C10L	WASHER
21A		1	D3564-1	WEARPLATE
21B		1	D3564-3	WEARPLATE
22A		1	D3566-1	GASKET
22B		1	D3566-3	GASKET
46	16		D3403-1	BUSHING
49	8		AN4C52A	BOLT
53	16		D3672-11	WASHER

DESIGN	<i>[Signature]</i>	<b>DART AEROSPACE USA, INC</b> KENT, WA	
DRAWN	XDF		
CHECKED	<i>[Signature]</i>	DRAWING NO.	REV. B
MFG. APPR.	N/A	DSI 9517	SHEET 6 OF 6
APPROVED	<i>[Signature]</i>	TITLE	SCALE
DE APPR.	<i>[Signature]</i>	ALTERNATE WEARPLATE KIT	NTS
DATE	11.10.11	<small>COPYRIGHT © 2010 BY DART AEROSPACE USA, INC          THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS          NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT          WRITTEN PERMISSION FROM DART AEROSPACE USA, INC.</small>	